

## EAST Search History

| Ref # | Hits | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------|------------------|---------|------------------|
| L1    | 0    | (diphenyl adj ether adj ammonium adj sulfonate) same (methanol or ethanol or propanol or isopropanol or butanol or pentanol) same ((halogen or chlorine or bromide or fluorine) adj ion)  | US-PGPUB; USPAT | OR               | ON      | 2007/04/22 13:44 |
| L2    | 0    | ((diphenyl adj ether adj ammonium adj sulfonate) same (methanol or ethanol or propanol or isopropanol or butanol or pentanol)) and ((halogen or chlorine or bromide or fluorine) adj ion) | US-PGPUB; USPAT | OR               | ON      | 2007/04/22 13:45 |
| L3    | 0    | (diphenyl adj ether adj ammonium adj sulfonate) and (methanol or ethanol or propanol or isopropanol or butanol or pentanol) and ((halogen or chlorine or bromide or fluorine) adj ion)    | US-PGPUB; USPAT | OR               | ON      | 2007/04/22 13:45 |
| L4    | 1    | (diphenyl adj ether adj sulfonate) and (methanol or ethanol or propanol or isopropanol or butanol or pentanol) and ((halogen or chlorine or bromide or fluorine) adj ion)                 | US-PGPUB; USPAT | OR               | ON      | 2007/04/22 13:47 |
| L5    | 4    | (diphenyl adj ether adj sulfonate) and ((halogen or chlorine or bromide or fluorine) adj ion)   | US-PGPUB; USPAT | OR               | ON      | 2007/04/22 13:47 |